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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/671,579	09/29/2003	Tai-Shui Ho	HOTA3009/EM	9992

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EXAMINER

ZEWDU, MELESS NMN

ART UNIT	PAPER NUMBER
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2683

DATE MAILED: 07/08/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/671,579

Applicant(s)

HO ET AL.

Examiner

Meless N. Zewdu

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-6 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-6 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 29 September 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: ____.

DETAILED ACTION

1. This action is the first on the merit of the instant application.
2. Claims 1-6 are pending in this action.

Specification

The disclosure is objected to because of the following informalities: page 7 has been missed from the disclosure. The pages of the entire disclosure go from 1-6 (disclosure) and 8-9 (claims). Appropriate correction is required.

The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

The following title is suggested: Personal Computer Coupled with a Mobile Device for Processing and Transmitting Short Messages.

Claim Rejections - 35 USC § 112

Claim 1 recites the limitation "the" in line 4. There is insufficient antecedent basis for this limitation in the claim.

Claim 1 recites the limitation "the" in line 6. There is insufficient antecedent basis for this limitation in the claim.

Claim 1 recites the limitation "the state of waiting" in line 10. There is insufficient antecedent basis for this limitation in the claim.

Claim 1 recites the limitation "the way of sending" in 20. There is insufficient antecedent basis for this limitation in the claim.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Metso et al. (Metso) (US 5,920,826) in view of Lorang et al. (Lorang) (US 5,548,814).

As per claim 1: Metso discloses a method of using external electronic device on fixed platform to operate short messages through mobile communication device, wherein when a user using an external electronic device on a fixed platform to edit a short message (see fig. 4; col. 7, lines 24-40), the control and execution process of said electronic device comprising the steps of:

(a) reading the content of the short message edited by the user (see col. 7, lines 24-40), wherein manipulation includes reading the content of the short message edited by the user;

(b) generating a formatted string mode code according to the content of the edited short message and an address of a target mobile communication device (see abstract; col. 3, lines 24-60);

(9 sending out the content of said short message according to the address of said target mobile communication device specified in the formatted string mode code and the way of sending in order to complete the process of sending a short message for one

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time (see abstract; col. 3, lines 24-60; col. 10, line 57-col. 11, line 21) and then ending the entire process (see col. 8, lines 31-53). The quit button ends the SMS processing. But, Metso does not explicitly teach about using a send command of a related instruction set to set a mobile communication device at the state of waiting for said formatted string and returning an acknowledge signal to said external electronic device, following which the short message is sent, as claimed by applicant. However, in a related field of endeavor, Lorang teaches about a "personal information management system with paging link", wherein when there is a message to be sent to a personal data unit PDU (fig. 12, element 10), a page signal is transmitted to the PDU, to advantageously, determine its location before sending the message and to which page signal the PDU responds a ready-to-receive message (acknowledgment) to the paging center/unit (see figs. 4, 12; abstract; col. 2, lines 13-58; col. 13, lines 1-15; claims 4, 9 and 10). Therefore, it would have been obvious for one of ordinary skill in the art at the time the invention was made to modify the teaching of Metso with that of Lorang for the advantage of properly identifying the location and identity of the proper PDU a message is intended to, as taught by Lorang.

As per claim 2: Metso teaches, a method of using external electronic device on fixed platform to operate short messages through mobile communication device wherein said formatted string mode code is a PDU formatted string mode code, and said command in the related instruction set is a command "AT-I-CMGS=L" of an AT instruction set, of which L being the length of the whole PDU formatted string

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mode code (see col. 4, line 30-col. 5, line 43). The "AT-I-CMGS=L" is described as a send command by the PC (computer) to send a string mode code in a PDU format.

Since, the prior art (Lorang) teaches that "the data or information to be forwarded with a header to the PDU (10) would then be assembled with a header or routing information that defines the address or ID of the recipient PDU (10)" before the actual message is sent following the receipt of read-to-receive (acknowledgment) signal from the PDU, the particular send command featured in claim 2 is obviated.

As per claim 3: Metso teaches a method of using external electronic device on fixed platform to operate short messages through mobile communication device, wherein said transmission method is a cable transmission by connecting a serial port on said mobile communication device (see fig. 4; col. 7, lines 24-62). Whether the personal computer is fixed, as claimed, or portable, as in the reference, does not have a patentable difference, because of the existence of functional equivalency between the two.

As per claim 4: Metso teaches a method of using external electronic device on fixed platform to operate short messages through mobile communication device, wherein said transmission method is a wireless transmission (see col. 6, line 59col. 7, line 23)..

As per claim 5: Metso teaches a method of using external electronic device on fixed platform to operate short messages through mobile communication device, wherein said external electronic device is a personal computer (see fig. 4, element 400; col. 7, lines 24-62).

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As per claim 6: Metso teaches a method of using external electronic device on fixed platform to operate short messages through mobile communication device, wherein said mobile communication device is a mobile phone (see fig. 4, element 402; col. 2, line 31-col. 3, line 23; col. 7, lines 24-62).

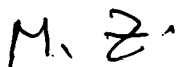
Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Meless N. Zewdu whose telephone number is (571) 272-7873. The examiner can normally be reached on 8:30 am to 5:00 pm..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Trost can be reached on (571) 272-7872. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Meless Zewdu



Examiner

01 July 2005.



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